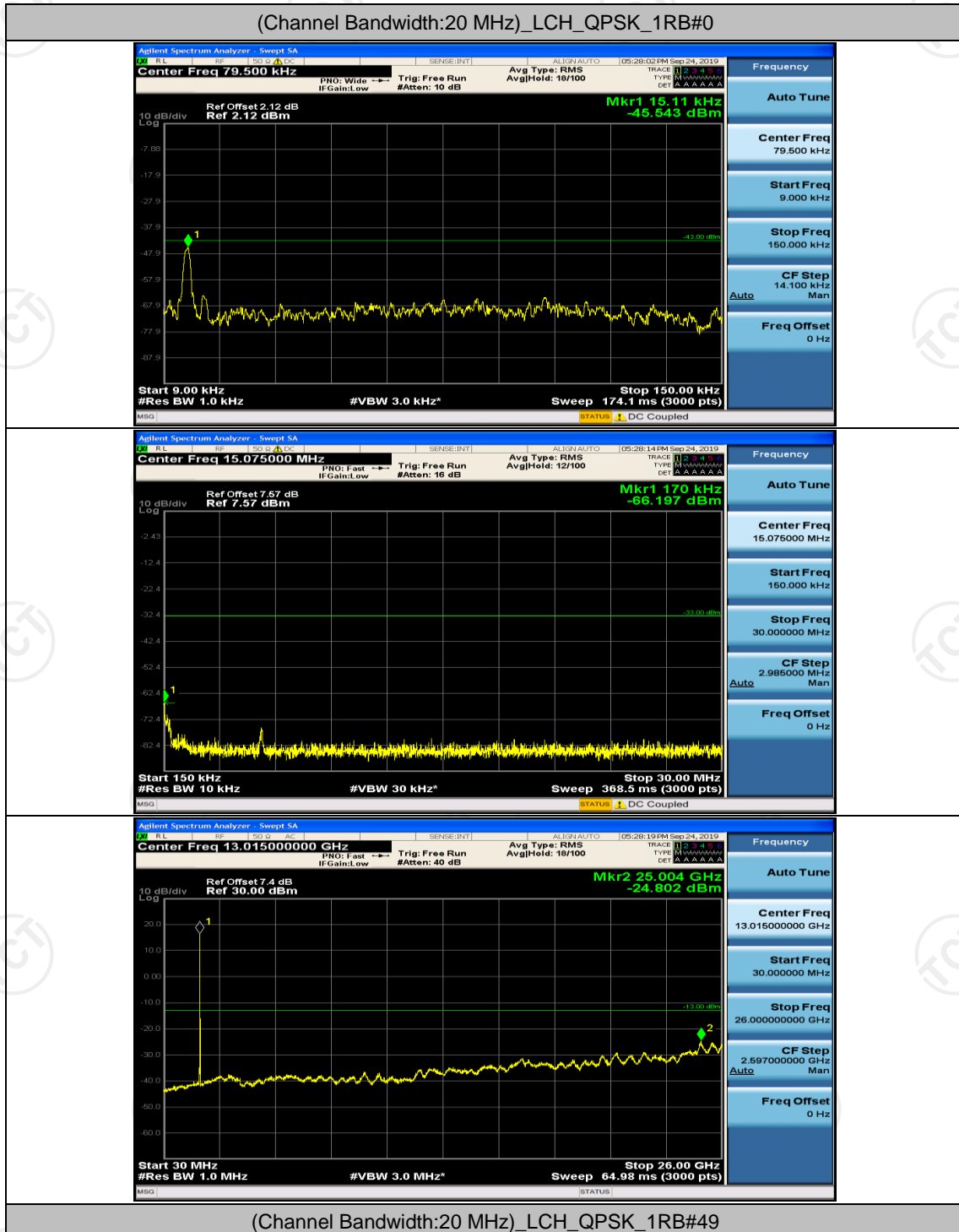
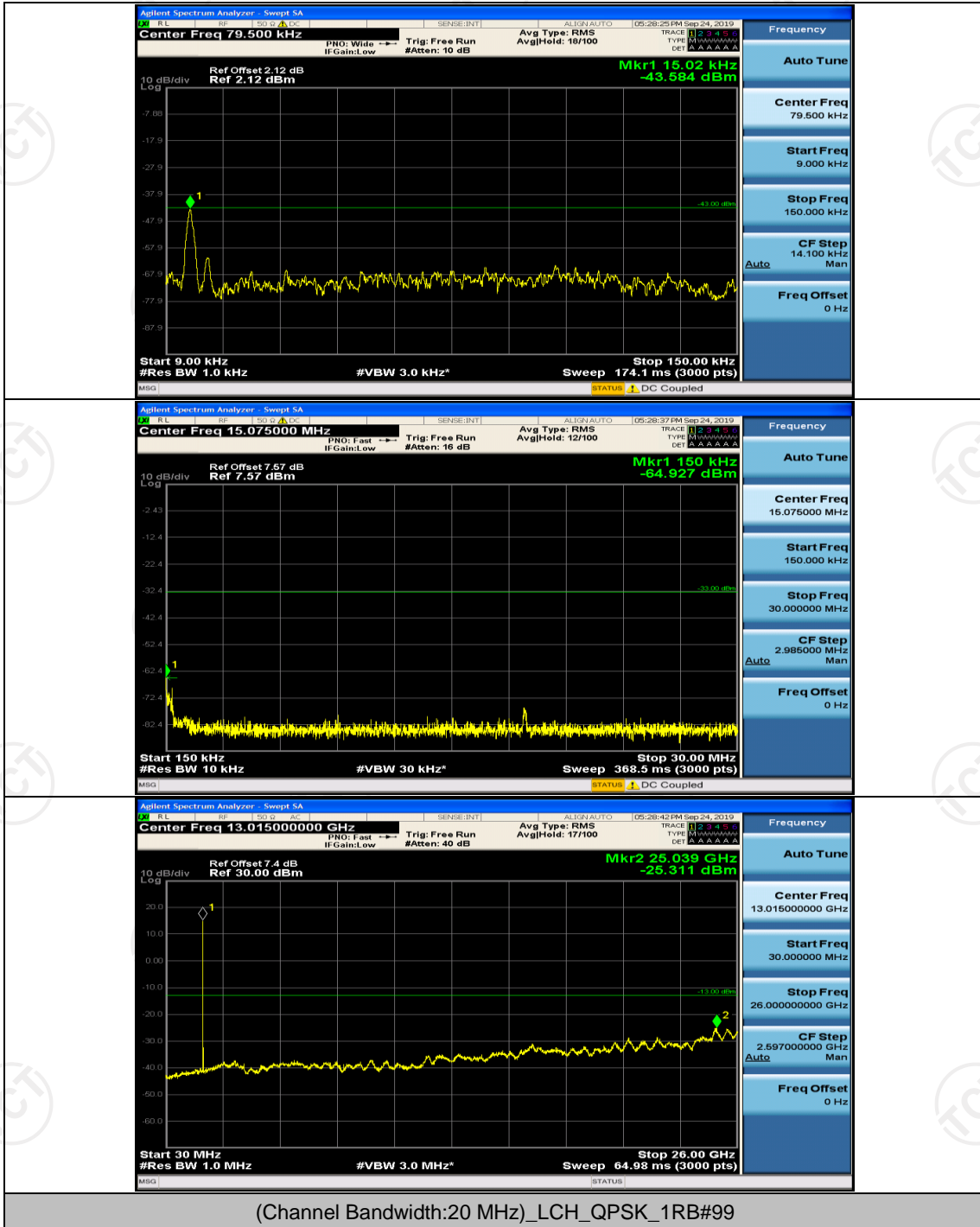


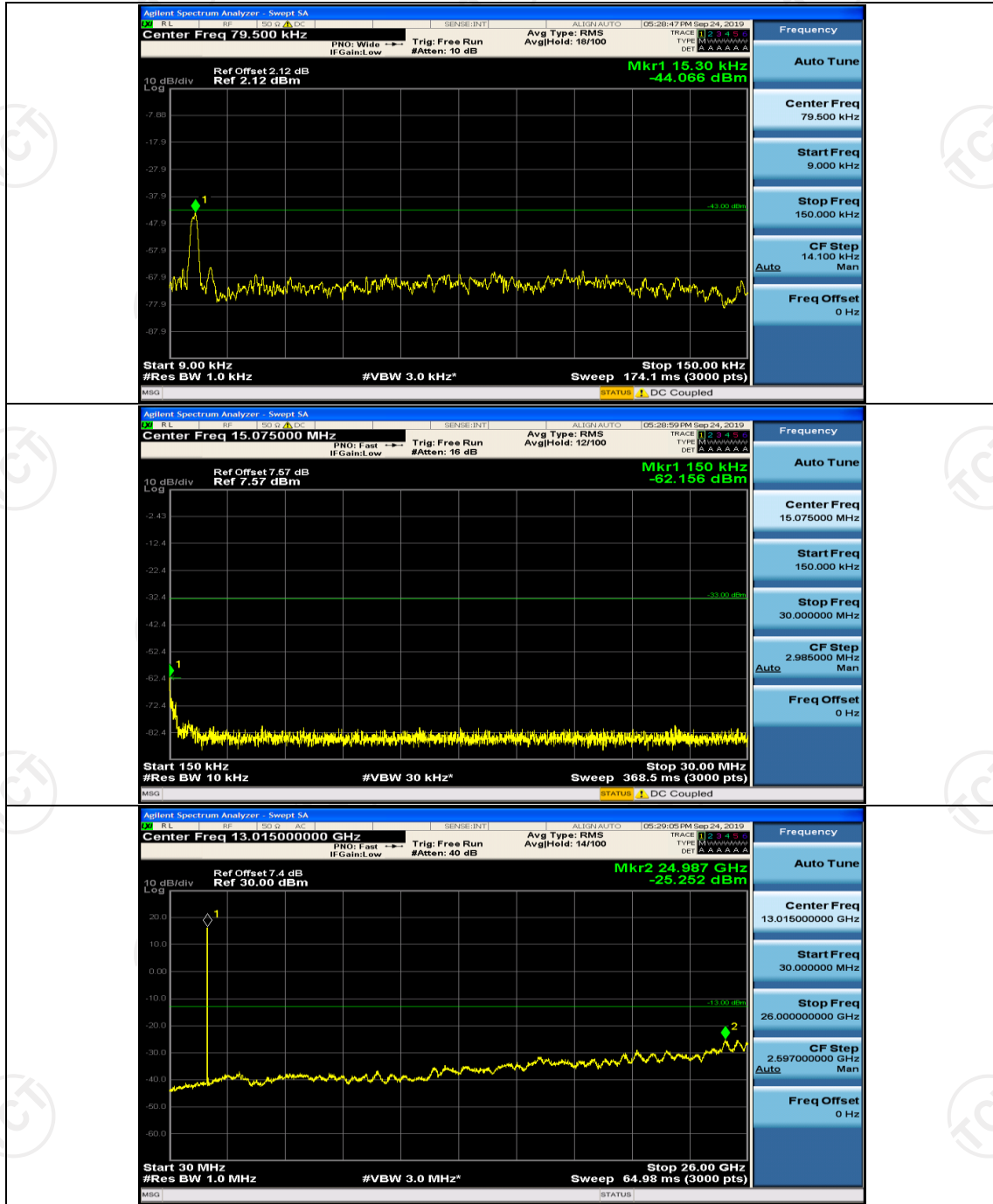
## Channel Bandwidth: 20 MHz

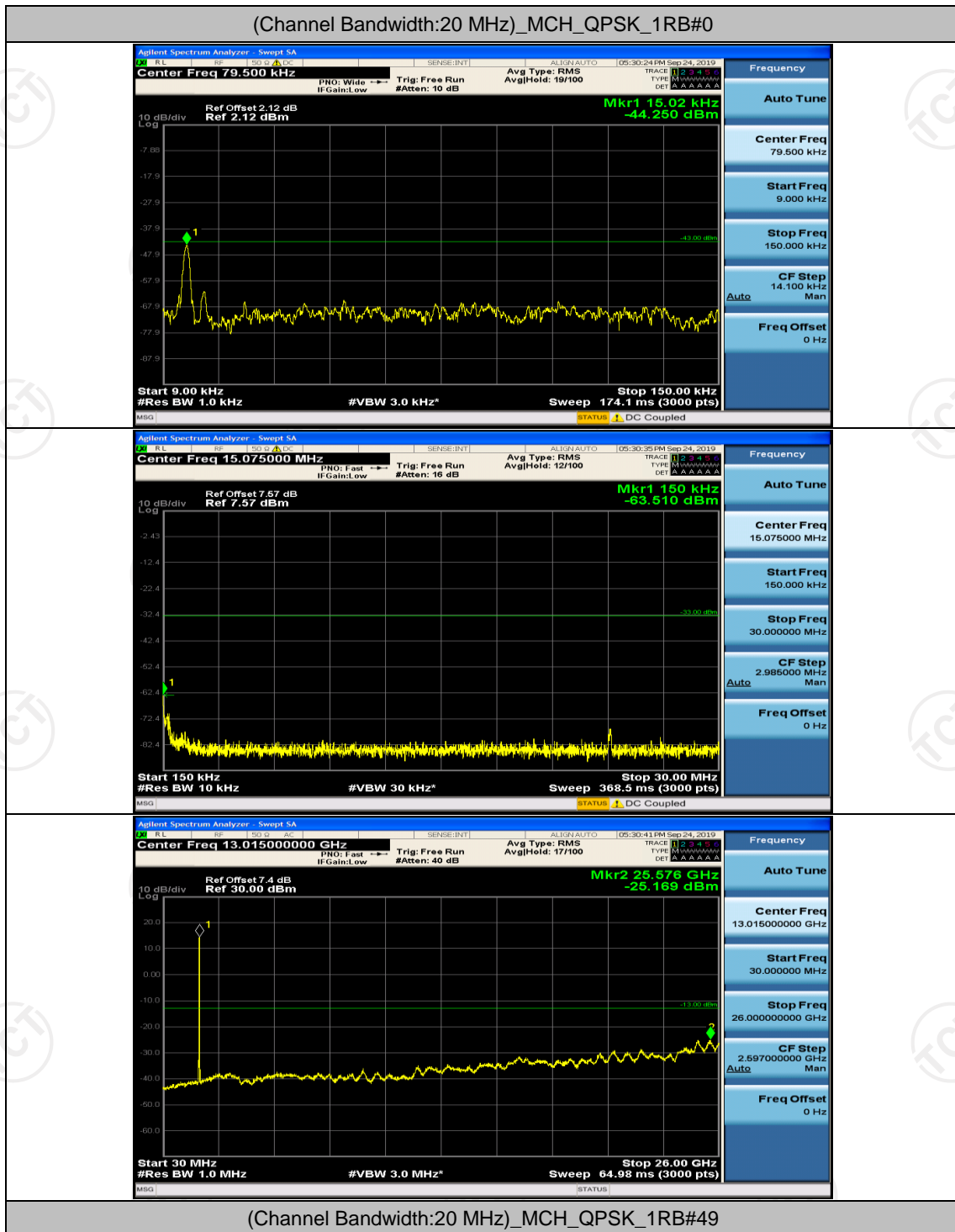


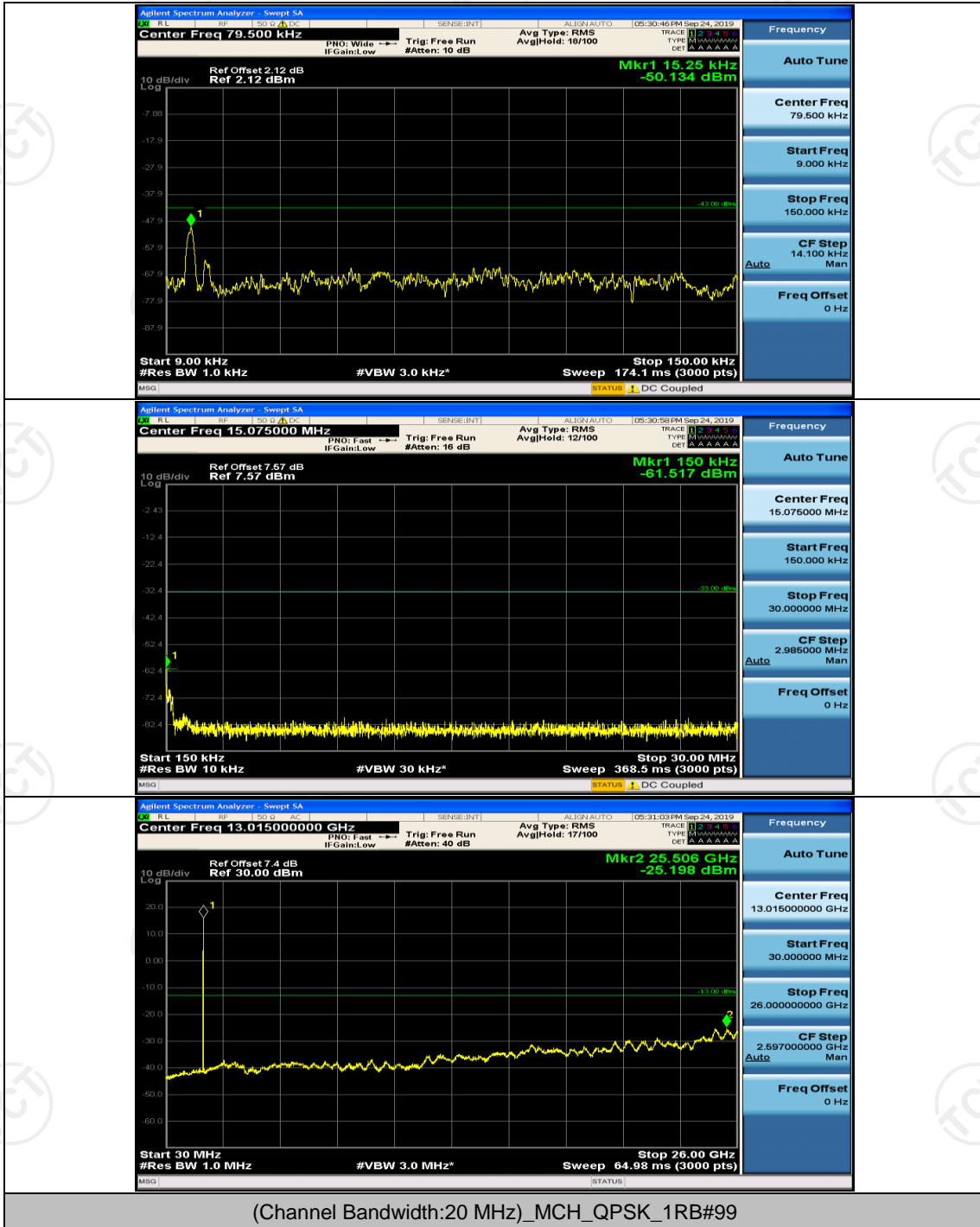


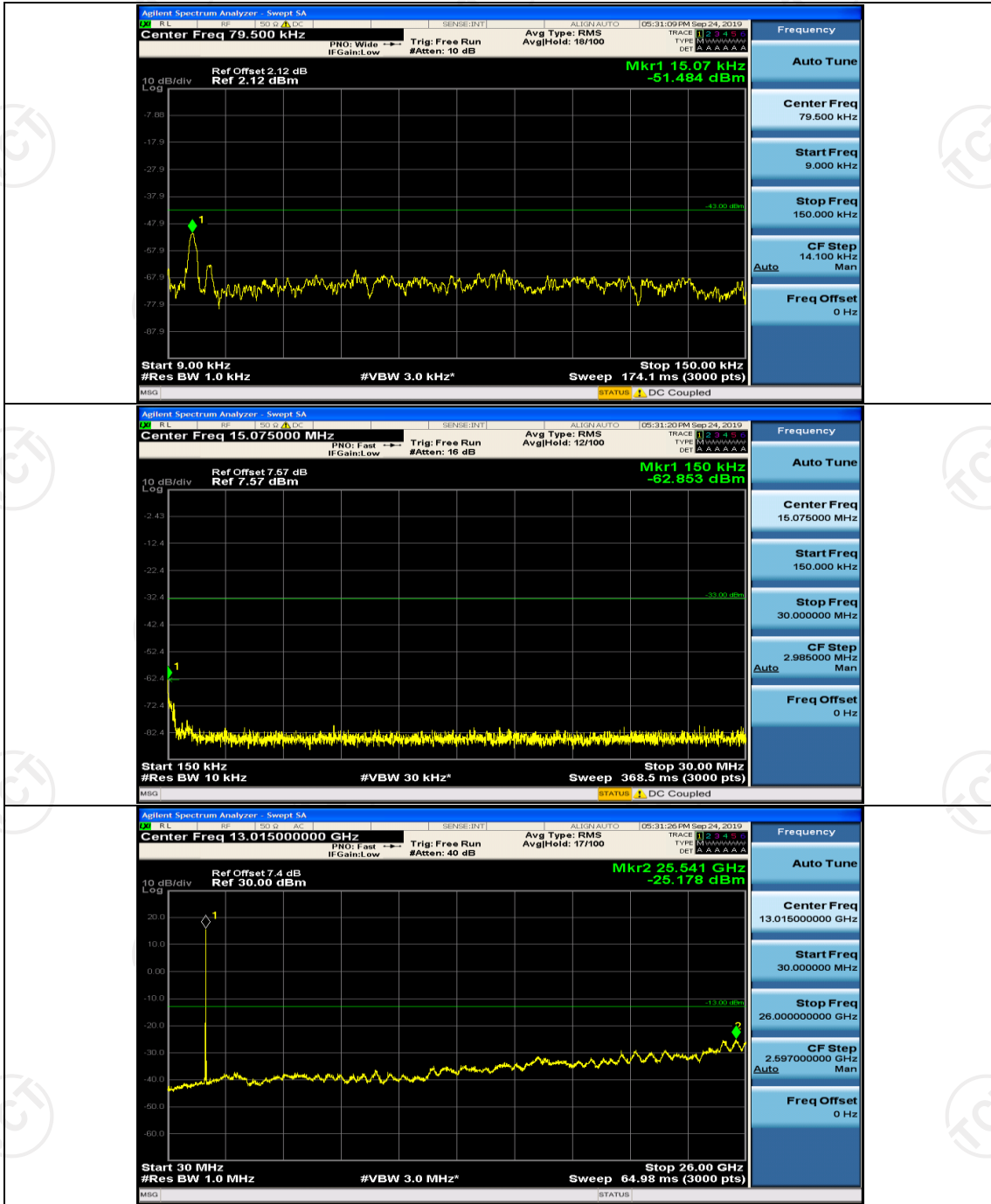


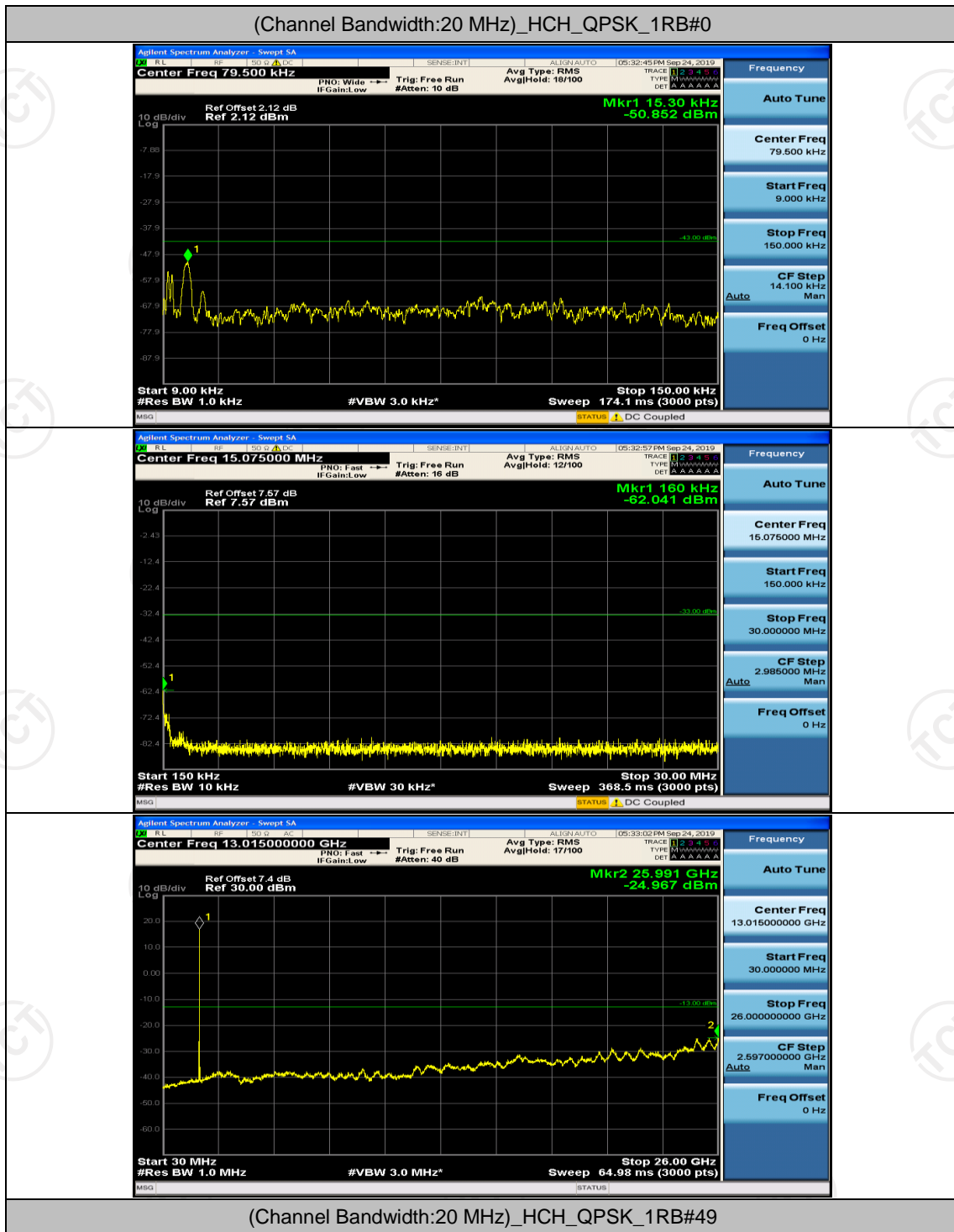


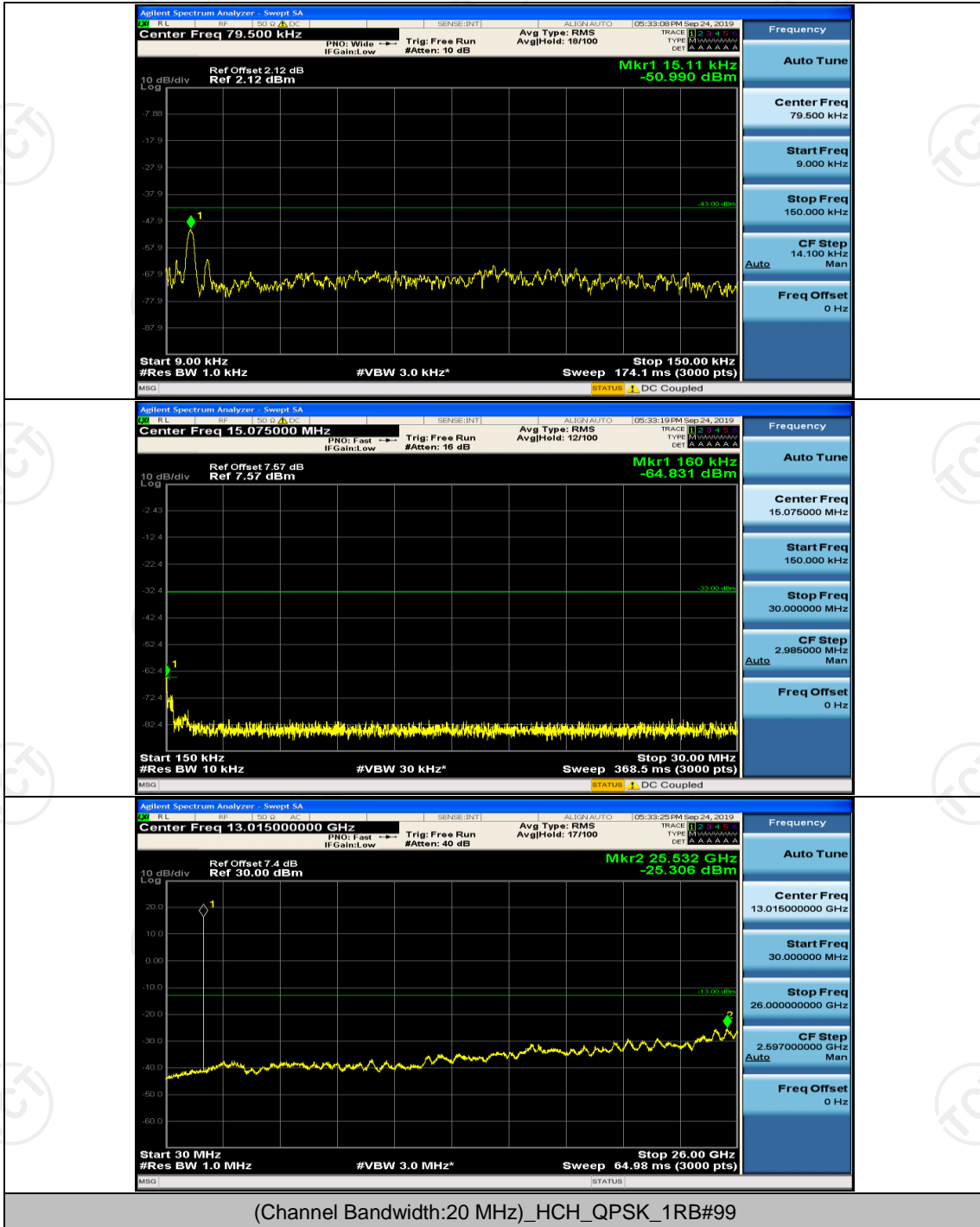


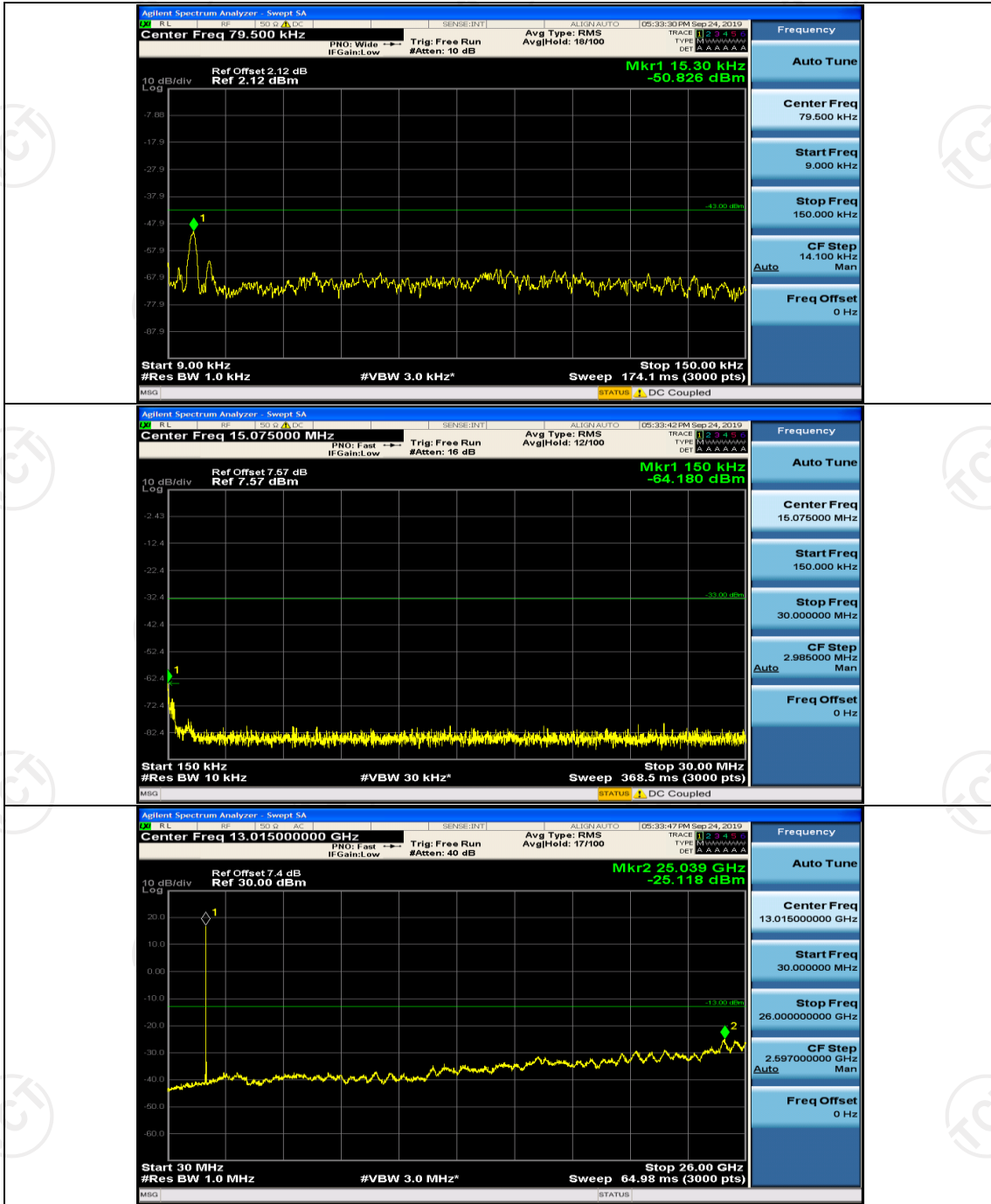




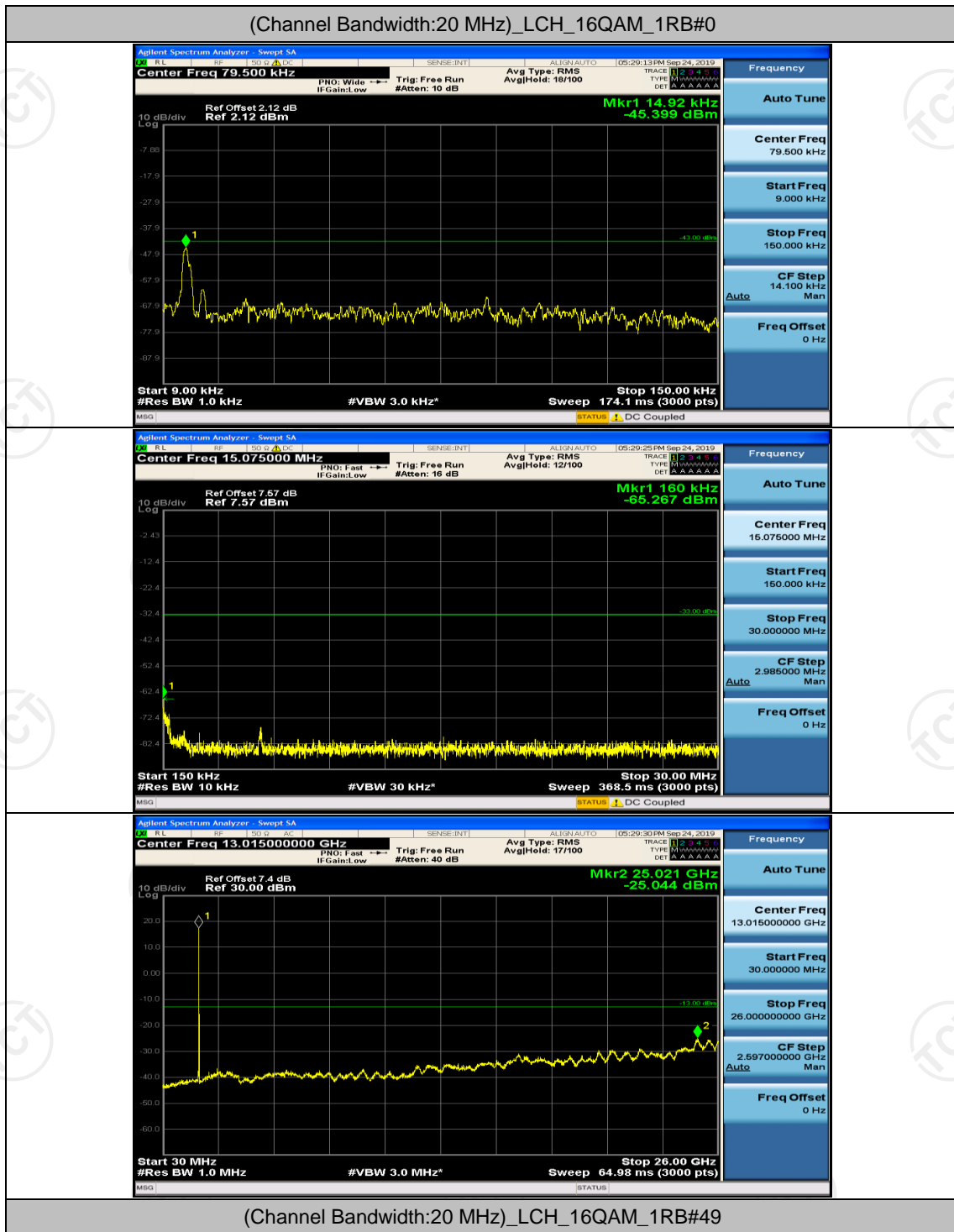


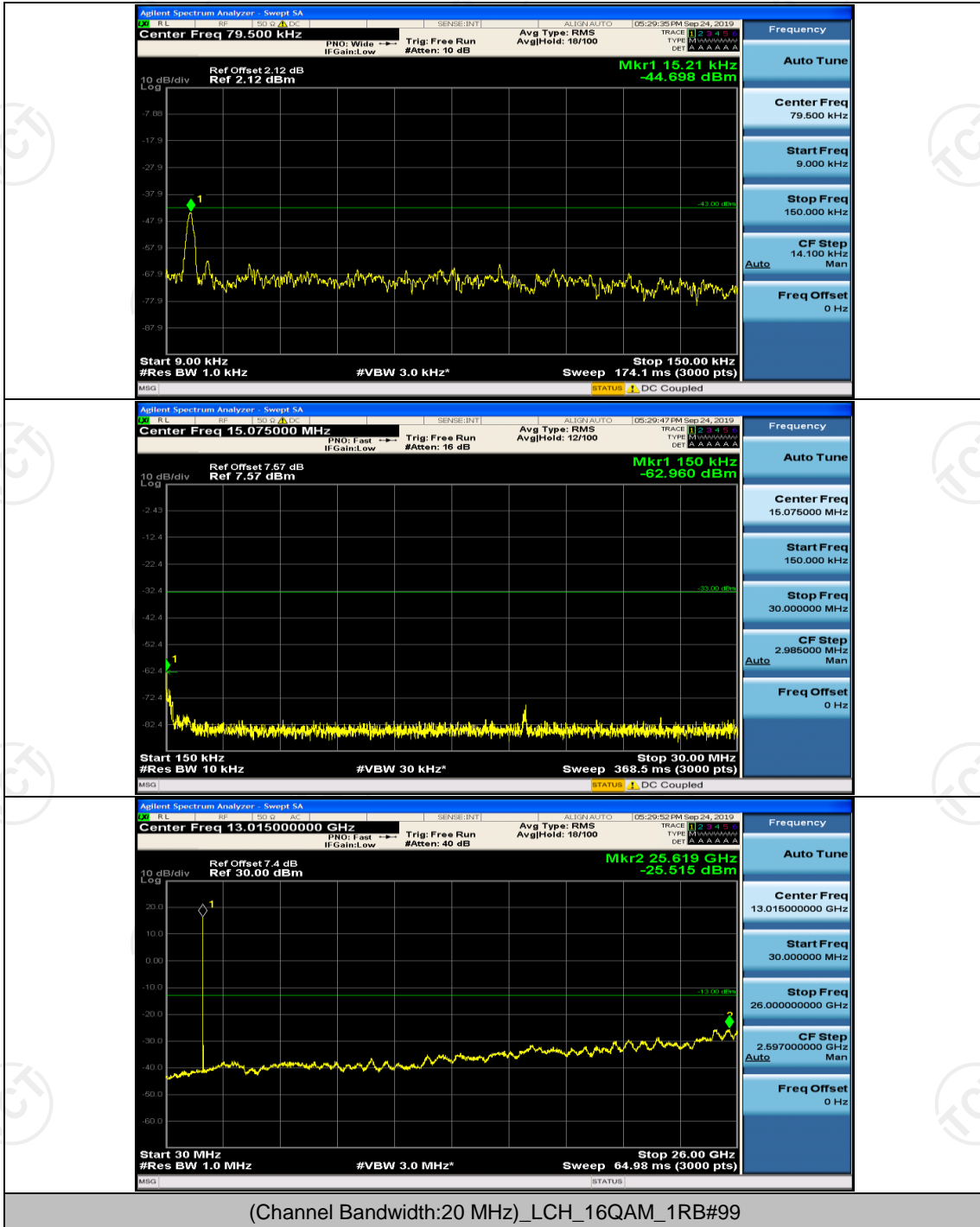


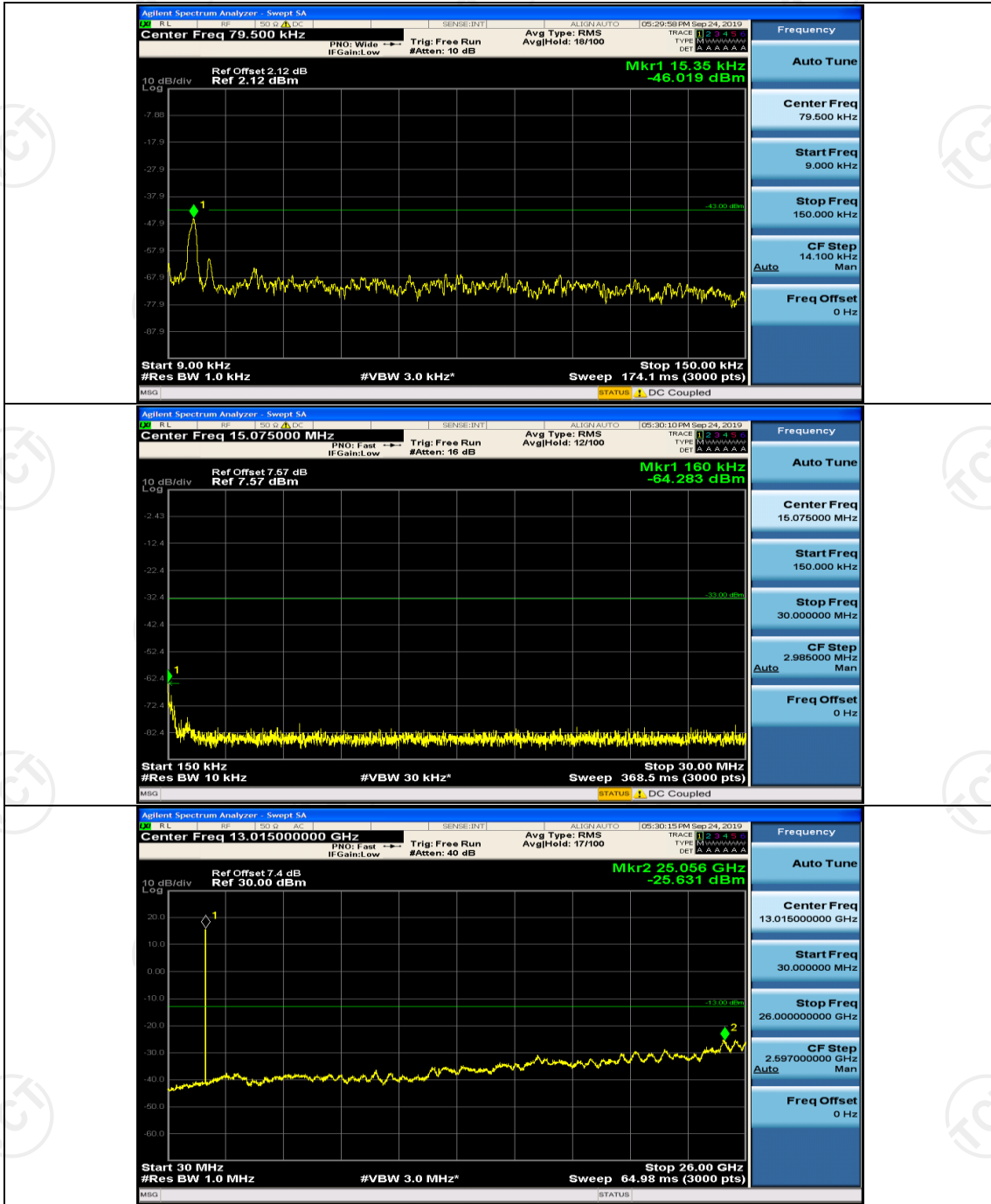


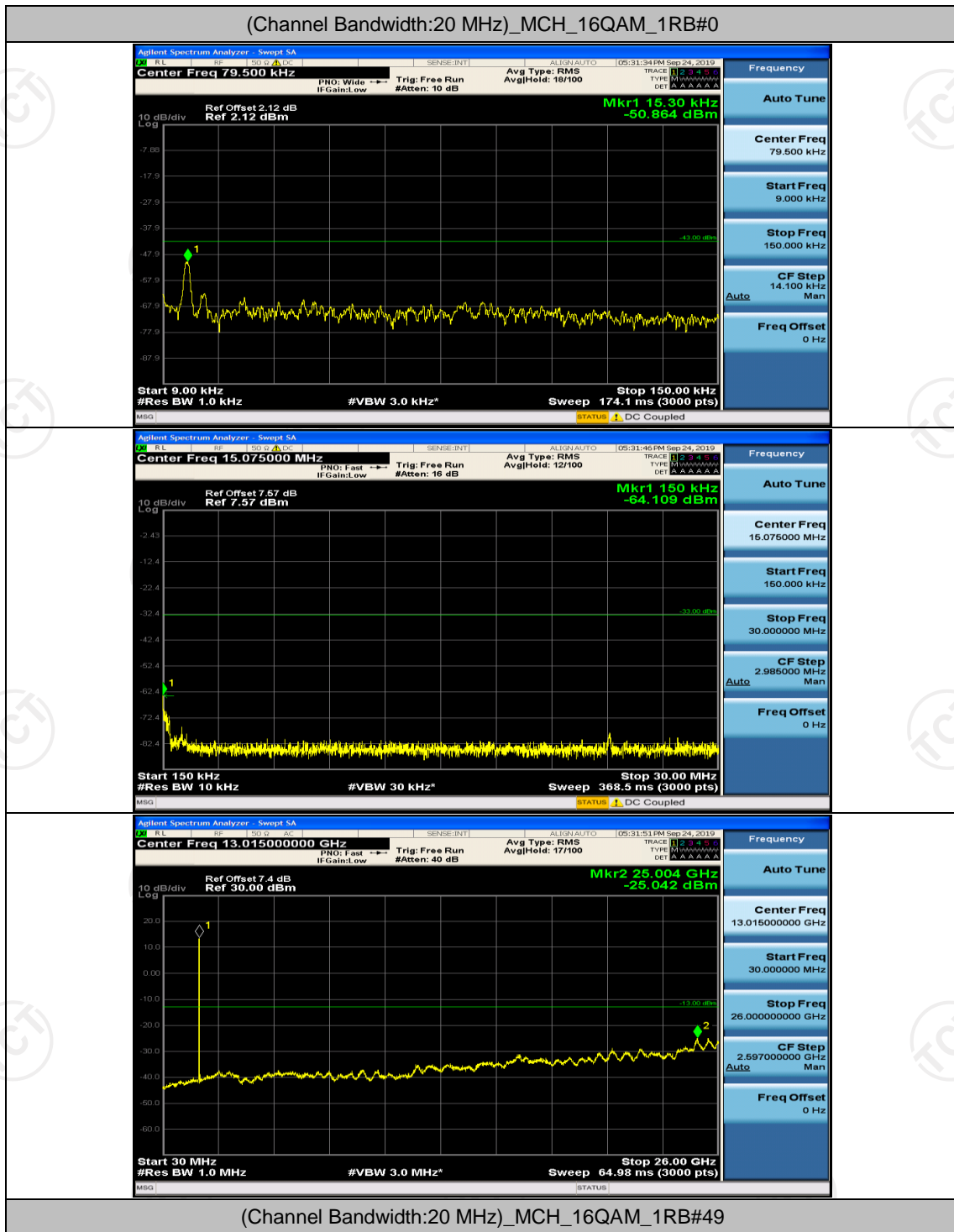


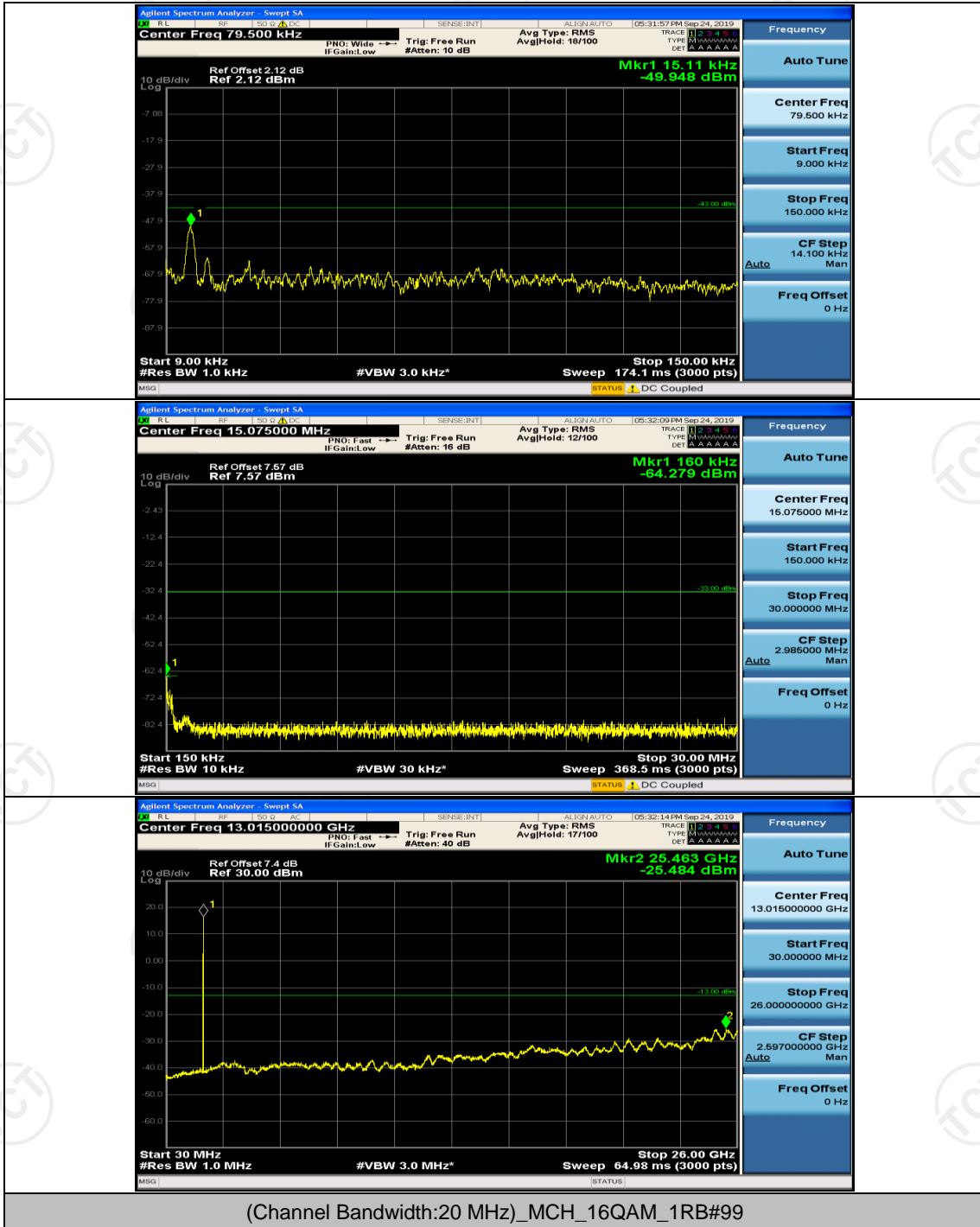


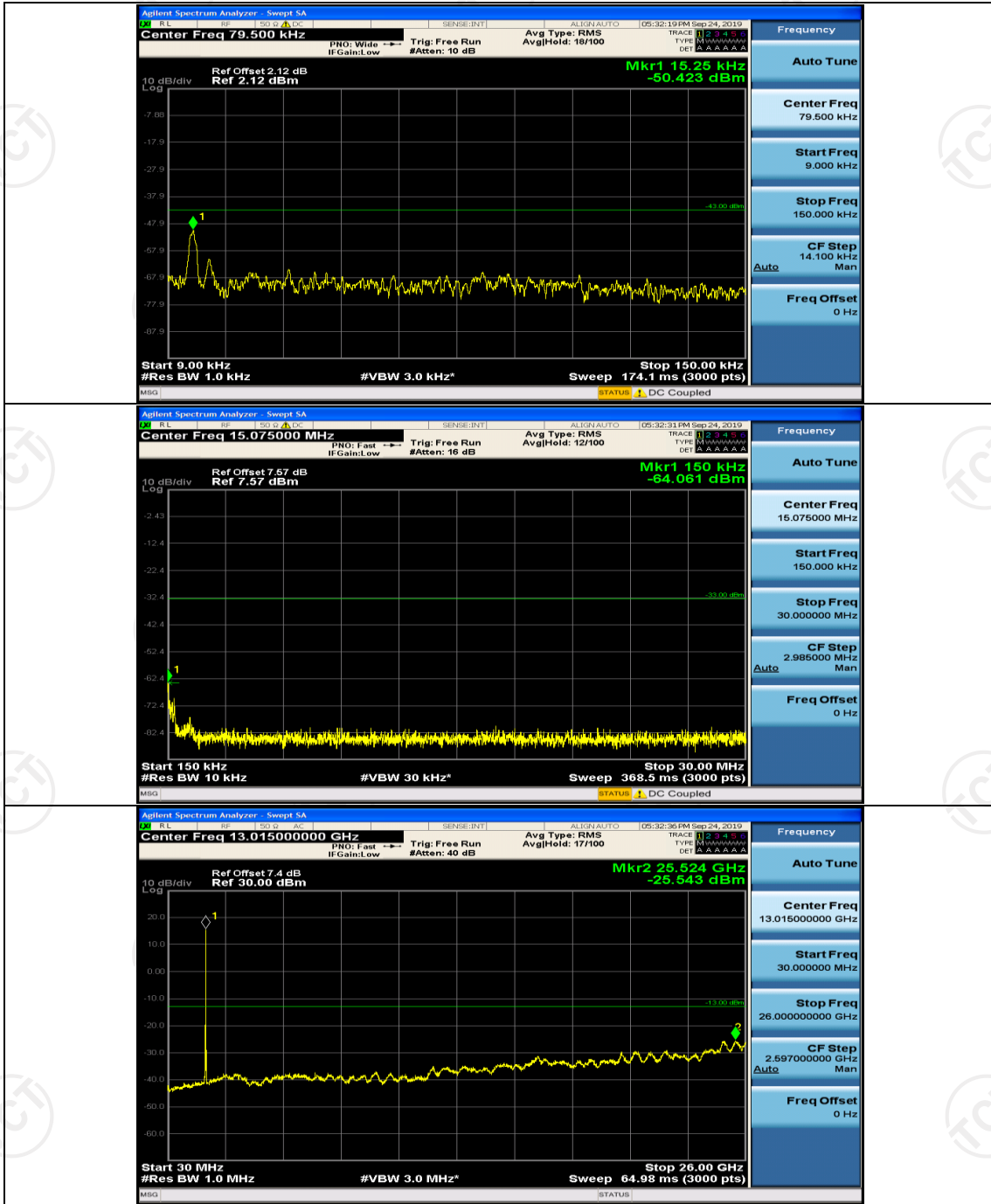


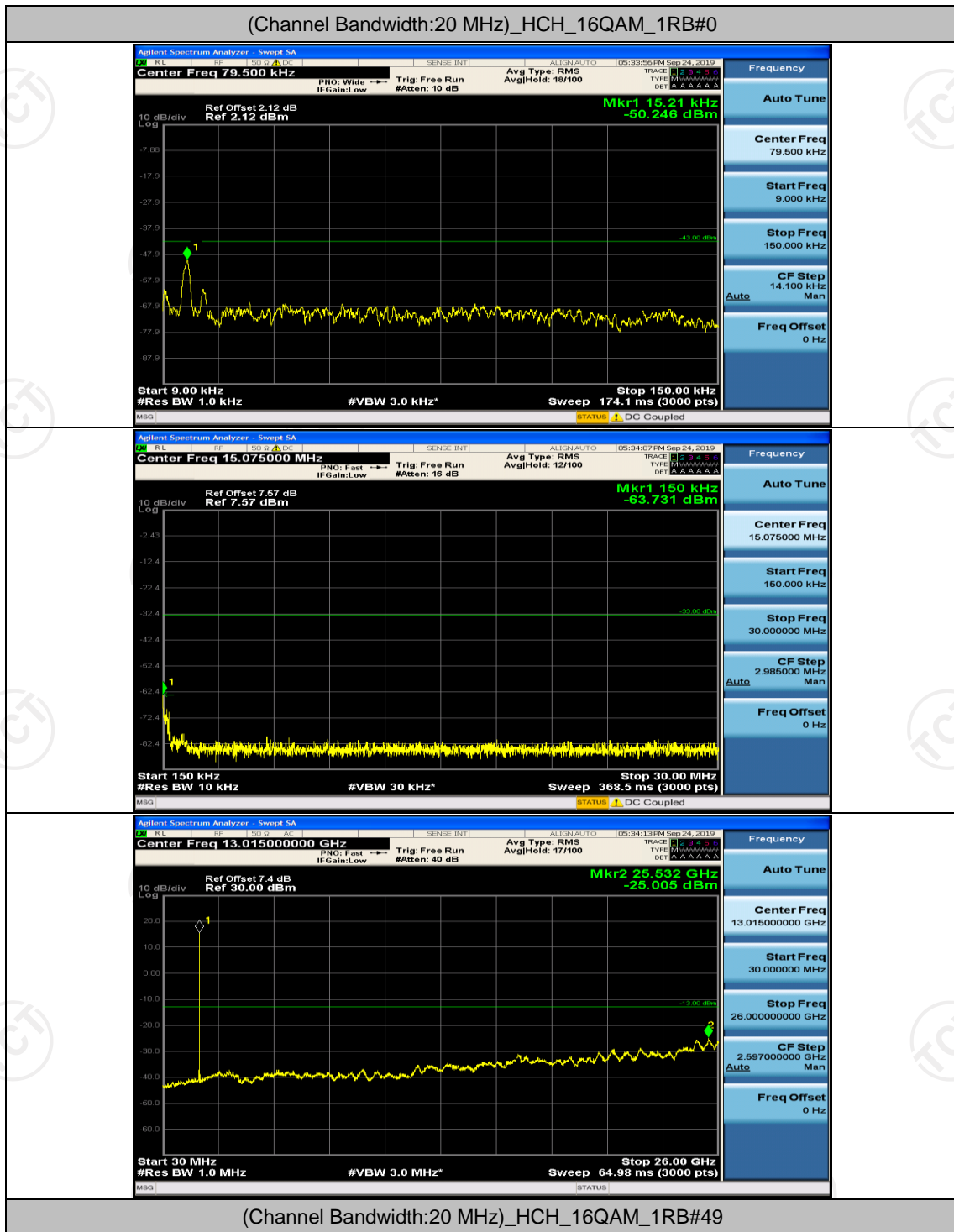




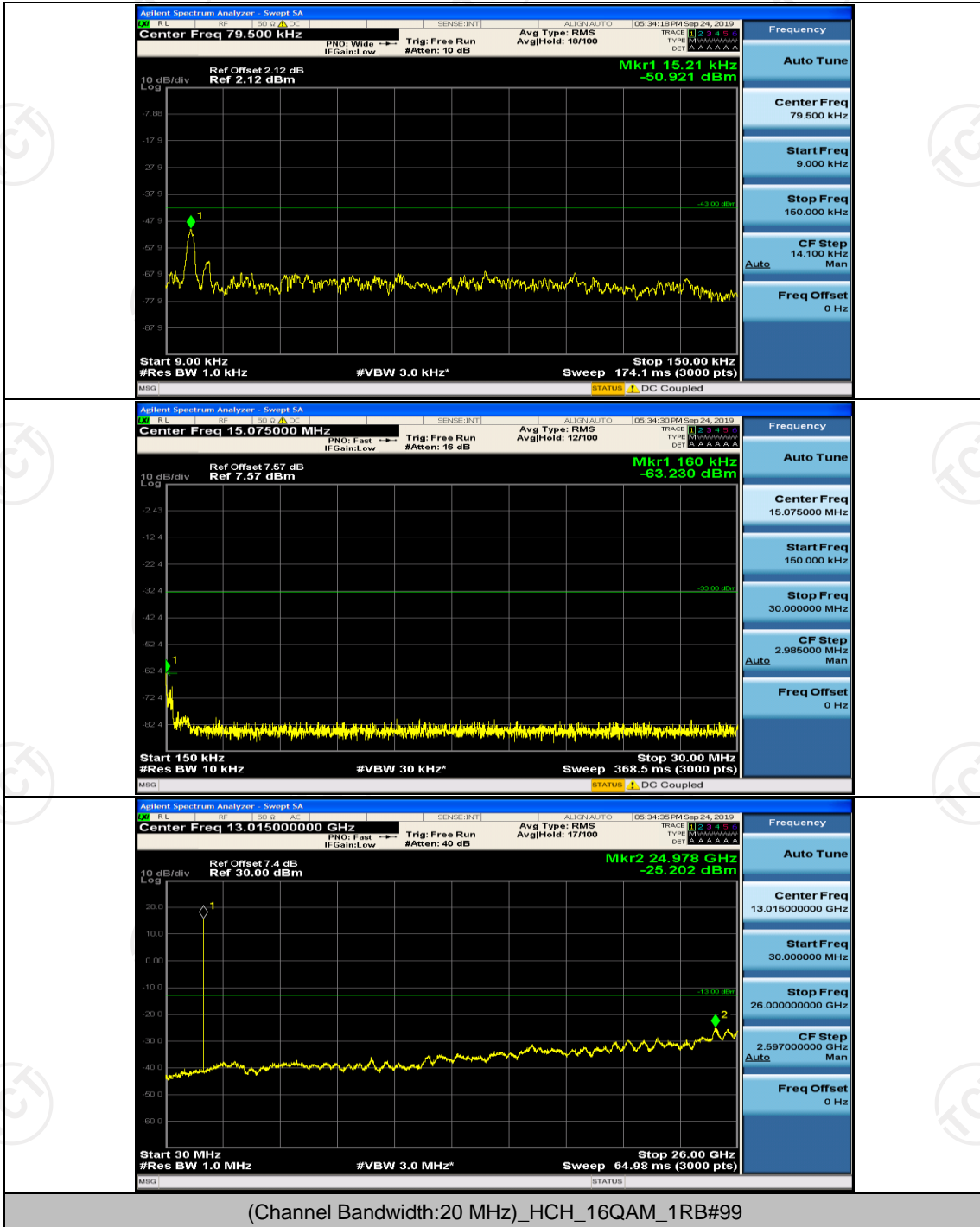


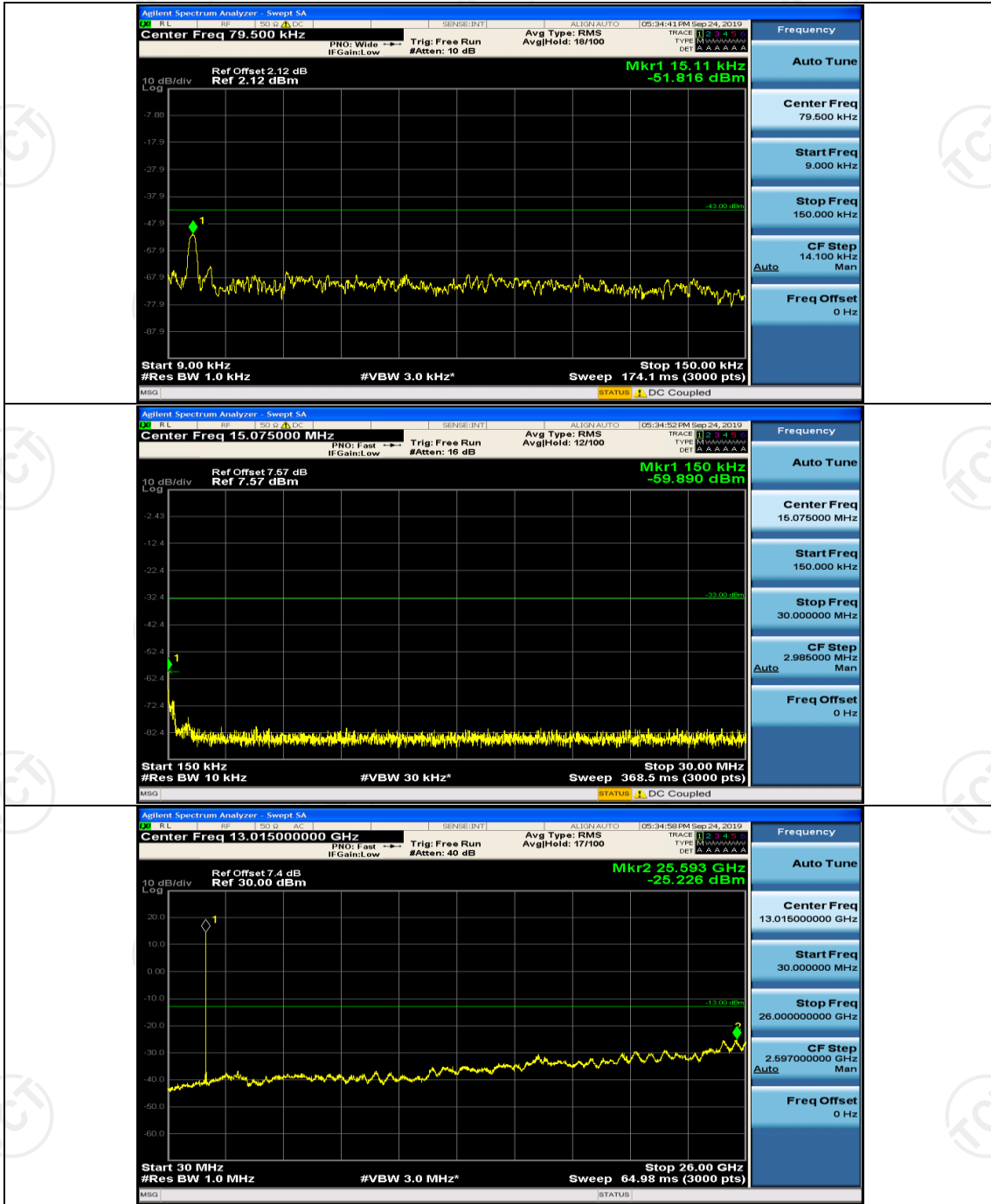












## Appendix F: Frequency Stability

### Test Result

Channel Bandwidth: 1.4 MHz

Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.001452	± 2.5	PASS
		VN	TN	0.001070	± 2.5	PASS
		VH	TN	-0.000543	± 2.5	PASS
	MCH	VL	TN	-0.000334	± 2.5	PASS
		VN	TN	-0.001148	± 2.5	PASS
		VH	TN	0.000149	± 2.5	PASS
	HCH	VL	TN	0.000453	± 2.5	PASS
		VN	TN	-0.000400	± 2.5	PASS
		VH	TN	-0.000041	± 2.5	PASS
16QAM	LCH	VL	TN	-0.000634	± 2.5	PASS
		VN	TN	0.000995	± 2.5	PASS
		VH	TN	0.000435	± 2.5	PASS
	MCH	VL	TN	0.000652	± 2.5	PASS
		VN	TN	0.000661	± 2.5	PASS
		VH	TN	-0.000058	± 2.5	PASS
	HCH	VL	TN	-0.000715	± 2.5	PASS
		VN	TN	-0.001378	± 2.5	PASS
		VH	TN	0.001142	± 2.5	PASS
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.001101	± 2.5	PASS
		VN	-20	-0.000251	± 2.5	PASS
		VN	-10	-0.000184	± 2.5	PASS
		VN	0	-0.000552	± 2.5	PASS
		VN	10	0.000511	± 2.5	PASS
		VN	20	0.001873	± 2.5	PASS
		VN	30	0.001204	± 2.5	PASS
		VN	40	0.000870	± 2.5	PASS
	MCH	VN	50	0.001029	± 2.5	PASS
		VN	-30	0.000479	± 2.5	PASS
		VN	-20	0.000355	± 2.5	PASS
		VN	-10	0.000603	± 2.5	PASS
		VN	0	-0.000083	± 2.5	PASS
		VN	10	0.000753	± 2.5	PASS
		VN	20	-0.000801	± 2.5	PASS
		VN	30	-0.000735	± 2.5	PASS
		VN	40	-0.000594	± 2.5	PASS

	HCH	VN	50	0.000190	± 2.5	PASS
		VN	-30	0.000449	± 2.5	PASS
		VN	-20	-0.000506	± 2.5	PASS
		VN	-10	0.000065	± 2.5	PASS
		VN	0	-0.000196	± 2.5	PASS
		VN	10	0.000412	± 2.5	PASS
		VN	20	-0.002071	± 2.5	PASS
		VN	30	-0.000024	± 2.5	PASS
		VN	40	-0.000946	± 2.5	PASS
		VN	50	-0.001011	± 2.5	PASS
16QAM	LCH	VN	-30	0.000518	± 2.5	PASS
		VN	-20	0.000293	± 2.5	PASS
		VN	-10	-0.000602	± 2.5	PASS
		VN	0	0.000463	± 2.5	PASS
		VN	10	0.001418	± 2.5	PASS
		VN	20	0.001453	± 2.5	PASS
		VN	30	0.001054	± 2.5	PASS
		VN	40	0.001296	± 2.5	PASS
		VN	50	0.001162	± 2.5	PASS
	MCH	VN	-30	-0.000355	± 2.5	PASS
		VN	-20	-0.000107	± 2.5	PASS
		VN	-10	0.000198	± 2.5	PASS
		VN	0	0.000025	± 2.5	PASS
		VN	10	-0.000410	± 2.5	PASS
		VN	20	0.000553	± 2.5	PASS
		VN	30	0.000083	± 2.5	PASS
		VN	40	-0.000471	± 2.5	PASS
		VN	50	0.000066	± 2.5	PASS
	HCH	VN	-30	0.000661	± 2.5	PASS
		VN	-20	0.001273	± 2.5	PASS
		VN	-10	0.000522	± 2.5	PASS
		VN	0	0.000392	± 2.5	PASS
		VN	10	0.000745	± 2.5	PASS
		VN	20	-0.001280	± 2.5	PASS
		VN	30	-0.001900	± 2.5	PASS
		VN	40	-0.001680	± 2.5	PASS
		VN	50	-0.001231	± 2.5	PASS